



**WATER MANAGEMENT  
MONTHLY REPORT**  
**Information Exchange Bulletin**

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**RESERVOIR OPERATION AND SYSTEM STATUS FOR OCTOBER 2008**

**HIGHLIGHTS** – The Ohio River at Cairo began the month at a stage of 18.09 feet. The Cairo stage fell to a low of 12.04 feet on the 25<sup>th</sup> of the month. Cairo was at 17.75 feet by month's end. Flood stage at Cairo is 40 feet. A general lack of rainfall in the Ohio Valley resulted in the expansion of drought conditions with navigation issues along the Lower Ohio River that were managed during the middle of the month.

**WEATHER** – The weather was drier than normal during October except in Western KY and central TN, where precipitation at Nashville, TN was recorded at 2.16 inches above normal. Precipitation departures ranged from -1.33 inches below normal at Cincinnati, OH to -0.24 inches below normal at Pittsburgh, PA. Significant rainfall events occurred from the 8<sup>th</sup> to the 9<sup>th</sup> and on the 24<sup>th</sup> to the 25<sup>th</sup>.

Ohio Valley temperatures averaged above normal during October except at Pittsburgh, PA where the average temperature was 1.4 degrees cooler than normal. Otherwise, the temperatures in the basin ranged from +0.2 degrees above normal at Columbus, OH to +1.4 degrees above normal in Indianapolis, IN.

**TEMPERATURE AND PRECIPITATION – OCTOBER 2008**

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	51.1	-1.4	2.01	-0.24
Charleston, WV	55.7	+0.6	1.92	-0.75
Columbus, OH	54.9	+0.2	1.44	-0.87
Cincinnati, OH	56.5	+0.8	1.63	-1.33

Louisville, KY	59.7	+1.2	2.26	-0.53
Indianapolis, IN	56.0	+1.4	1.97	-0.79
Evansville, IN	58.1	+0.8	1.61	-1.17
Nashville, TN	60.2	+0.3	5.03	+2.16

**STREAMFLOW** – The monthly average flows ranged from a low of 53% of normal at Paducah, KY to a high of 70% of normal at Cincinnati, OH. Daily flows ranged from a low of 18% of normal at Evansville, IN to a high of 129% of normal at Cincinnati, OH.

The following table presents the flow data summary for the Ohio River Index Stations:

**FLOW DATA – OCTOBER 2008**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	8,000	67	94	44
Huntington, WV	16,000	66	90	33
Cincinnati, OH	19,000	70	129	33
Louisville, KY	16,000	57	124	21
Evansville, IN	19,000	57	127	18
Paducah, KY	43,000	53	72	40

**RESERVOIRS** – October began with 0.9% utilization of the total system flood control storage and ended the month at 2.5%. System-wide augmentation storage availability began the month at 92.0% and was at 87.7% by the end of the month.

The following table depicts storage change by tributary reservoir subsystem for October:

<b>CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM</b>	<b>(ACRE-FEET)</b>
Allegheny-Monongahela-Beaver	-194,400
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-50,100
Twelvepole-Big Sandy-Little Sandy-Scioto	-48,600
Little Miami-Licking-Mill Creek-Great Miami	-34,200
Kentucky-Salt-Green-Wabash	-197,000
Cumberland	-103,200
<b>TOTAL</b>	<b>-627,500</b>

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